

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A fluorescent microarray analyzer comprising:

a light source for emitting a light beam;

a light processing unit for focusing the unfiltered light beam onto a biochip and exciting fluorescent targets on the biochip to produce fluorescence;

a focusing lens for focusing the unfiltered fluorescence onto a spectrophotometer;

a spectrophotometer for detecting signal of the fluorescence; and

an output device for directly outputting/displaying the signal detected by the spectrophotometer.
2. (Original) The fluorescent microarray analyzer according to claim 1, wherein the light processing unit comprises: a beam splitter for redirecting the light beam through a focusing lens which focuses the light beam onto the biochip and exciting the fluorescent targets on the biochip to produce fluorescence.
3. (Original) The fluorescent microarray analyzer according to claim 2, wherein the light processing unit further comprises a focusing lens between the light source and the beam splitter to enhance the focusing effect.
4. (Original) The fluorescent microarray analyzer according to claim 1 further comprising a platform for holding the biochip and selectively moving in two different directions.
5. (Original) The fluorescent microarray analyzer according to claim 4 further comprising a computer comprising at least one set of parameters for controlling the directions of movement of the platform.

6. (Original) The fluorescent microarray analyzer according to claim 5, wherein the computer comprises at least one set of parameters for selectively outputting/displaying the signal detected by the spectrophotometer.

7. (Original) The fluorescent microarray analyzer according to claim 6, wherein the computer comprises at least one set of parameters for converting the signal detected by the spectrophotometer into image data.

8. (Currently amended) A fluorescent microarray analyzer comprising:

a light source for emitting a light beam;

a beam splitter for redirecting the light beam through a first focusing lens, which focuses the redirected and unfiltered light beam onto the biochip and excites fluorescent targets on the biochip to produce fluorescence;

a second focusing lens for focusing the unfiltered fluorescence on a spectrophotometer;

a spectrophotometer for detecting signal of the fluorescence; and

an output device for directly outputting or showing the signal detected by the spectrophotometer.

9. (Original) The fluorescent microarray analyzer according to claim 8 further comprising a focusing lens between the light source and the beam splitter to enhance the focusing effect.

10. (Original) The fluorescent microarray analyzer according to claim 8 further comprising a platform for holding the biochip and selectively moving in two different directions.

11. (Original) The fluorescent microarray analyzer according to claim 8 further comprising a computer comprising at least one set of parameters for controlling the directions of movement of the platform.

12. (Original) The fluorescent microarray analyzer according to claim 11, wherein the computer comprises at least one set of parameters for selectively outputting/displaying the signal detected by the spectrophotometer.

13. (Original) The fluorescent microarray analyzer according to claim 12, wherein the computer comprises at least one set of parameters for converting the signal detected by the spectrophotometer into image data.